

## 211 CMR 39.00: ANNUITY MORTALITY TABLES FOR USE IN DETERMINING RESERVE LIABILITIES FOR ANNUTIES

### Section

- 39.01: Authority
- 39.02: Purpose
- 39.03: Definitions
- 39.04: Individual Annuity or Pure Endowment Contracts
- 39.05: Group Annuity or Pure Endowment Contracts
- 39.06: Application of the 1994 GAR Table
- 39.07 Separability

#### 39.01: Authority

211 CMR 39.00 is promulgated by the Commissioner of Insurance pursuant to M.G.L. c. 175 (the Massachusetts Insurance Statute).

#### 39.02: Purpose

The purpose of 211 CMR 39.00 is to recognize the following mortality tables for use in determining the minimum standard of valuation for annuity and pure endowment contracts: the 1983 Table "a", the 1983 Group Annuity Mortality (1983 GAM) Table, the Annuity 2000 Mortality Table, and the 1994 Group Annuity Reserving (1994 GAR) Table.

#### 39.03: Definitions

- (1) As used in 211 CMR 39.00, "1983 Table 'a'" means that mortality table developed by the Society of Actuaries Committee to Recommend a New Mortality Basis for Individual Annuity Valuation and adopted as a recognized mortality table for annuities in June 1982 by the National Association of Insurance Commissioners. [See *1982 Proceedings of the NAIC II*, page 454.]
- (2) As used in 211 CMR 39.00 "1983 GAM Table" means that mortality table developed by the Society of Actuaries Committee on Annuities and adopted as a recognized mortality table for annuities in December 1983 by the National Association of Insurance Commissioners. [See *1984 Proceedings of the NAIC I*, pages 414 to 415.]
- (3) As used in 211 CMR 39.00 "1994 GAR Table" means that mortality table developed by the Society of Actuaries Group Annuity Valuation table Task Force and shown on pages 866-867 of Volume XLVII of the *Transactions of the Society of Actuaries* (1995).
- (4) As used in 211 CMR 39.00 "Annuity 2000 Mortality Table" means that mortality table developed by the Society of Actuaries Committee on Life Insurance Research

and shown on page 240 of Volume XLVII of the *Transactions of the Society of Actuaries* (1995).

**39.04: Individual Annuity or Pure Endowment Contracts**

- (1) Except as provided in 211 CMR 39.04(2) and (3), the 1983 Table "a" is recognized and approved as an individual annuity mortality table for valuation and, at the option of the company, may be used for the purpose of determining the minimum standard of valuation for any individual annuity or pure endowment contract issued on or after June, 1982.
- (2) Except as provided in 211 CMR 39.04(3), either the 1983 Table "a" or the Annuity 2000 Mortality table shall be used for determining the minimum standard of valuation for any individual annuity or pure endowment contract issued on or after December 19, 1996.
- (3) Except as provided in 211 CMR 39.04(4), the Annuity 2000 Mortality Table shall be used for determining the minimum standard of valuation for any individual annuity or pure endowment contract issued on or after January 1, 2001.
- (4) The 1983 Table "a" without projection is to be used for determining the minimum standards of valuation for an individual annuity or pure endowment contract issued on or after January 1, 1998, solely when the contract is based on life contingencies and is issued to fund periodic benefits arising from:
  - (a) Settlements of various forms of claims pertaining to court settlements or out of court settlements from tort actions;
  - (b) Settlements involving similar actions such as workers' compensation claims;  
or
  - (c) Settlements of long term disability claims where a temporary or life annuity has been used in lieu of continuing disability payments.

### 39.05: Group Annuity or Pure Endowment Contracts

- (1) Except as provided in 211 CMR 39.05(2) and (3), the 1983 GAM Table, the 1983 Table "a" and the 1994 GAR Table are recognized and approved as group annuity mortality tables for valuation and, at the option of the company, any one may be used for the purposes of valuation for an annuity or pure endowment purchased on or after June 1982, under a group annuity or pure endowment contract.
- (2) Except as provided in 211 CMR 39.05(3), either the 1983 GAM Table or the 1994 GAR Table shall be used for determining the minimum standard of valuation for any annuity or pure endowment purchased on or after December 19, 1996 under a group annuity or pure endowment contract.
- (3) The 1994 GAR Table shall be used for determining the minimum standard of valuation for any annuity or pure endowment purchased on or after January 1, 2001 under a group annuity or pure endowment contract.

### 39.06 Application of the 1994 GAR Table

In using the 1994 GAR Table, the mortality rate for a person age  $x$  in year  $(1994 + n)$  is calculated as follows:

$$q_x^{1994+n} = q_x^{1994} (1 - AA_x)^n$$

where the  $q_x^{1994}$  and  $AA_x$  s are as specified in the 1994 GAR Table.

### 39.07: Separability

If any provisions of 211 CMR 39.00 or its application to any person or circumstances is for any reason held to be invalid, the remainder of 211 CMR 39.00 and the application of its provisions to other persons or circumstances shall not be affected.

### REGULATORY AUTHORITY

211 CMR 29.00: M.G.L. c. 175, § 9.